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Sergey Platonov

Dated: October 24, 2007

Inventors: ANISIMOVICH, KONSTANTIN,
SHAMIS, ALEXANDER,
ZUEV, KONSTANTIN.

Appl. No.: 10/657,008

Filed: September 08, 2003

Art Unit: 2624

Title: A method of graphical objects recognition using the integrity principle.

Attn. Kanjibhai PATEL, PRIMARY EXAMINER
Art Unit 2624
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Mr. Patel !

Please, find herewith the reply to the Office Action dated 01/09/2007 for the above-identified patent application.

Please, find the detailed decision on appeal and amended specification sheets in accordance with the 37 CFR 1.121.

In a case of any questions on this matter, please feel free to contact applicant's contact person Sergey Platonov, sergey_pl@abbyy.com .

ABBYY SOFTWARE LIMITED
29, Stasikratous St.
Office 202
CY-1065 Nicosia
Cyprus
Reg.No. 139871

Respectively submitted
ABBYY Software Ltd.

BY: Demosthenos

Marinos Demosthenos

JHL/ela
Dated: Oct. 24, 2007
P.O. Box 54
Moscow, 129301, Russian Federation
+7-495-783-3700.
Enclosures:
Detailed Decision – 2 sheets
Specification Amended - 10 sheets

DETAILED DECISION

Specification

The abstract of the disclosure is corrected to be of one paragraph.

Claims

All informalities specified by the examiner are corrected: [**then**] **than** .

Duplicate Claims

The inventor is insisting on the leaving claim 1 as well as claim 2 as is. The reason for this is the following.

The whole procedure claimed in claim 1 and claim 2 is rather different.

In the first part the claim 1 specifies the following actions.

1. "A method of object recognition on a bit-mapped image, comprising
parsing the image into regions,
identifying text and non-text regions,
recognition of objects ...."

In the first part the claim 2 specifies the following actions.

2. A method of character recognition on a bit mapped image, comprising
parsing the image into regions,
identifying text and non-text regions,
identifying regions containing characters,
recognition of characters ...."

The main novelty of the invention 1 claimed is contained in the following portion of the claim 1:

"... performing the following steps
search and identification of at least one standard element on the said bit-mapped image,
selection of **at least one standard element image** for testing on belonging to the recognized object,
setting up and testing a hypothesis about the recognized object on the basis of the image formed by all aggregate of said selected standard element images as a whole taking into account spatially parametrical correlations thereof."

and the main novelty of the invention 2 claimed is contained in the following portion of the claim 2

"... performing the following steps

search and identification of at least one standard element on the said bit-mapped image,

selection of **all standard elements in the region presumably containing image of character** for testing on belonging to a recognized character,

setting up and testing a hypothesis about the recognized character using the image formed by all aggregate of said selected standard elements as a whole taking into account spatially parametrical correlations thereof."

The difference between the Claim 1 and Claim 2 is really substantial and is shown by accentuation of the differences by bold font.

Claims Corrections

As not pretending to be a subject of novelty the action - "recognition of objects" in the first part of claim 1 (line 5) and claim 2 (line 6) does not need to be clarified.

Hense the "recognition of objects" is mentioned as a well known procedure not claimed herewith as a new one the inventor decided to follow the examiner's request and to change the line 5 of the claim 1 as follows: "**...** recognition of objects by any known method,**...**" and line 6 of the claim 2 as follows: "**...** recognition of characters by any known method, **...**".

Necessary examples are added to the description explaining **claims 3-4** concept "alternative". The added description does not enlarge of claims scope.

Claims 5, 11-12 are deleted.

Prior Art Cited

The inventor accepted the proposed cited documents with thanks.

Conclusion

In view of the above-said, the author request further examination, taking into account the proposed amendments.

Contact Information

Should you have any questions please feel free to contact our contact person Sergey Platonov via e-mail **sergey_pl@abbyy.com** or by fax +7 495 783-2663 or by telephone +7 495 767-6720 (normally M-F 10:00am - 2:00pm).

/Konstantin Anisimovich/

Konstantin Anisimovich
(DM, first named inventor)